

# General Environmental Incident Summary

**Incident:** 4077      **Date/Time Notice:** 4/29/2016      2306      **DEM Incident No:**  
**Responsible Party:** Central Plains Ag  
**Date Incident:** 4/29/2016      **Time Incident:** 1715      **Duration:** 10 minutes  
**County:** Griggs      **Twp:** 144      **Rng:** 59      **Sec:** 7      **Qtr:**  
**Lat:** 47.30835      **Long:** -98.19427      **Method:** Interpolation from map  
**Location Description:** Central Plains Ag  
721 109th Ave SE  
Hannaford, ND  
**Submitted By:** Gary Perowitz      **Affiliation:** CHS Inc.  
**Address:** 11 West 5th St.  
**City:** Morris      **State:** MN      **Zip:** 56267

## Received By:

**Contact Person:** Rob Boock  
721 109th Ave SE  
Hannaford, ND

**Distance Nearest Occupied Building:**

**Release Contained:** No

**Type of Incident:** Tank Leak

**Description of Released Contaminant:** Liquid Fertilizer (960 gallons 10-34-0, 40 gallons zinc)

**Volume Spilled:** 1000.00 gallons

**Ag Related:** Yes

**EPA Extremely Hazardous Substance:** No

**Reported to NRC:** Yes

## Cause of Incident:

Customer filled tank, when pulling onto location scale to weigh the tank split resulting in a release of the majority of contents.

## Risk Evaluation:

No immediate risks known, no rain is forecasted for the next several days.

Site conditions, anticipated response actions, and land application of recovered material was discussed with Mandy Washek (NDDH) on 4/29/16 at 22:25.

**# of Fatalities:** 0

**# of Injuries:** 0

**Affected Medium:** 03 - soil

## Potential Environmental Impacts:

Soil has been impacted which will be excavated. There is a nearby storm water pond that could be impacted in the event of a precipitation event.

## Action Taken or Planned:

Spill was contained by deploying absorbent boom and applying 1500 lbs of MP79 drying agent. Spill was contained on land. There is a nearby stormwater pond that is believed to not have been impacted. An emergency utility locate will be requested and the impacted area excavated based upon visual observations. A consultant will be retained to collect confirmatory samples.

**Wastes Disposal Location:** The recovered material will be land applied following label use and agronomic rates.

**Agencies Involved:** Local Law Enforcement, NRC

### **Updates**

---

**Date:** 5/2/2016    **Status:** Reviewed - Follow-up Required

**Author:** Washek, Sandi

**Updated Volume:** 1000.00 gallons

**Notes:**

Received call from CPA company rep on Friday night pertaining to a liquid fertilizer spill. Was told the spill happen on the company lot. Majority of the liquid was contained in the scale house which has a floor made up of concrete and packed gravel. Some of the liquid did go down the concrete driveway and off to the north side into the grass towards a storm water retention pond. Straw wattles were placed in front of the pond vegetation the night of the spill. NDDoH rep was informed on Saturday morning (April 30) that further inspection by the company indicated soil staining did not reach the pond. Company will have the pond water tested by its environmental consultant firm to ensure it was not impacted. In addition, One Call was contacted due to power and fiber optics lines in the area. The company put down Floor Dry to capture the fertilizer and will start removing impact soil once One Call flagging is completed. West Central will take lead on the cleanup. The company will determine if impacted soil can be land applied or properly disposed of. Soils and water will be tested to ensure cleanup is completed correctly. Additional follow-up will be needed.

---

**Date:** 5/10/2016    **Status:** Inspection

**Author:** O'Gorman, Brian

**Updated Volume:**

**Notes:**

Arrived on location at 13:13. Met with the safety specialist and discussed the release and subsequent cleanup. The safety specialist escorted me to the release location and described the actions taken during and after the release. Photos of the area were taken. He also wanted to update the amount released since he figured the customer still had 100 gallons on the vehicle and they recovered 200 gallons from the gravel road that was bermed. They had excavated an area approximately 50' long by 40' wide by 6 to 8 inches in depth, northeast of the weigh station, south of a wetland. Soil and water samples had been collected and sent in for laboratory analysis, which will be provided to the NDDoH for review. More follow-up needed when analytical results are obtained. Photos added to folder.

---

**Date:** 6/15/2016    **Status:** No Further Action Requested

**Author:** O'Gorman, Brian

**Updated Volume:**

**Notes:**

Received 5/31/16 email with an incident response report attached. Review of the report shows that most of the fertilizer was removed from the impacted soils and confirmation samples were near background levels. The report also shows that the sample collected from the wetland north of the release was analyzed for nitrogen, ammonia and showed 19.8 milligrams per liter (mg/L). Additional analysis of the wetland should be conducted and analyzed for nitrates + nitrites. Email and report added to folder. More follow-up needed.

---

**Date:** 7/13/2016    **Status:** Correspondence

**Author:** O'Gorman, Brian

**Updated Volume:**

**Notes:**

Received an email from the company contact with lab samples taken from the wetland adjacent to the release. The results showed the wetland to have nitrate plus nitrite at 0.16 milligram per liter (mg/L) and zinc showed no detect. Email and lab results added to folder. No further follow-up needed at this time.

---

**Date:** 7/14/2016    **Status:** Correspondence

**Author:** O'Gorman, Brian

**Updated Volume:**

**Notes:**

Brian O'Gorman sent a No Further Action letter dated July 14, 2016.

---

**Date:** 7/14/2016    **Status:** No Further Action Requested

**Author:** O'Gorman, Brian

**Updated Volume:**

**Notes:**

Water samples showed nitrate plus nitrite to be below NDDoH surface water numeric standards. No further follow-up needed at this time.